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Amendments to the Claims

1(Currently amended). A method to demodulate a signal comprising:

receiving modulated data by an antenna;

configuring a first datapath from several predefined configurations to receive the modulated data from the antenna, wherein the configuration selected for the first datapath corresponds to a protocol of the received modulated data;

configuring a second datapath from the several predefined configurations to receive the modulated data from the antenna, wherein the configuration selected for the second datapath corresponds to a protocol of the received modulated data; and

~~demodulating the received modulated data in the datapath in accordance with the selected protocol~~ operating the first and second datapaths in parallel to demodulate the received modulated data of multiple users.

2(Currently amended). The method of claim 1 wherein ~~receiving modulated data further includes receiving modulated data to store in a memory~~ configuring the first datapath further includes using a first controller to provide the configuration selected for the first datapath and configuring the second datapath includes using a second controller to provide the configuration selected for the second datapath.

3(Currently amended). The method of claim 2 1 further including using a controller ~~to select the protocol in accordance with the modulated data stored in the memory~~ a first output buffer coupled to the first datapath and a second output buffer coupled to the second datapath to store data for the multiple users.

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17(Currently amended). A system for demodulating signals comprising:
an antenna;
~~a datapath~~ first and second datapaths coupled to the antenna; and
a first controller to select a protocol and ~~reconfigure~~ configure the first datapath
to accept modulated data from the antenna and provide demodulated data in
accordance with the protocol and a second controller to configure the second datapath
to operate in parallel with the first datapath.

18(Currently amended). The system of claim 17 further including ~~an~~ a first input
buffer to store the data received by the antenna and provide the data to the first
datapath and a second input buffer coupled to the antenna to provide data to the
second datapath.

19(Currently amended). The system of claim 17 further including ~~an~~ a first
output buffer for storing the demodulated data from the first datapath and a second
output buffer coupled to the second datapath.